AUTOMATIC LASER POWER CONTROL IN AN OPTICAL COMMUNICATION SYSTEM

Abstract of the Disclosure

A system and method for use with an optical communication beam of light is disclosed. The system allows the beam of light to operate at an adequate power level that provides a robust optical link while minimizing any safety risk to humans. Such a system includes multiple operating modes which control the power output of the beam of light. In the normal mode, the beam of light operates at a selected power level which provides a desired signal to noise ratio. Once a blocking occurs, the beam of light enters a power reduction mode to prevent harm to the blocking object. An acquisition and recovery mode is then employed to reestablish the blocked communication link.

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